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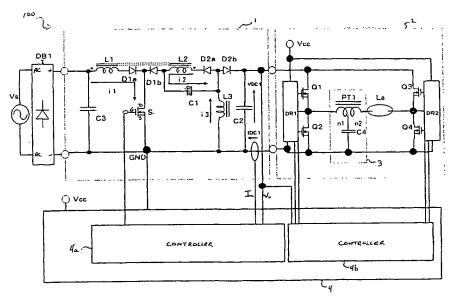
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(54) Title: DISCHARGE LAMP LIGHTING CONTROL DEVICE



(57) Abstract: A discharge lamp lighting control device (100) having a DC power converter, a power factor improving power converter (1), a polarity reversing circuit (2), a starter circuit (3), and a controller (4). The power factor improving power converter 1 includes a switching device S, a power factor improver, and a power converter. The power factor improver operates to smooth a rectified voltage by storing energy in a first inductive device L1 and by discharging energy from a second inductive device L2, in which the first and second inductive devices are magnetically coupled together. The storing and discharging is performed by turning ON and OFF the switching device S. A predetermined DC voltage is converted by energy stored and discharged by a third inductive device L3 in response to the turning ON and OFF of the switching device S.



INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER		1
IPC(7) : H05B 41/16, 37/02.		
US CL: 315/209r,215,223,224,242,243,244,246,247,248,291,Dig.5,Dig.7 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) U.S.: 315/209r,215,223,224,242,243,244,246,247,248,291,Dig.5,Dig.7		
0.5. : 313/2091,213,223,224,242,243,244,240,247,240,251,016.3,016.7		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
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C. DOCUMENTS CONSIDERED TO BE RELEVANT	portopriate of the relevant passages Relevant to claim	No
Category * Citation of document, with indication, where ap	propriate, of the research	110.
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